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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A method of displaying multimedia information stored in a multimedia document on a display[[,]] ~~the multimedia information comprising information of a plurality of types including information of a first type and information of a second type,~~ the method comprising:

 displaying a graphical user interface (GUI) on the display;

 ~~displaying, in a first area of the GUI, a representation of the multimedia information stored by the multimedia document, the displayed representation of the multimedia information comprising a representation of information of the first type and a representation of information of the second type;~~

 displaying, in a first area of the GUI, a first visual representation of the multimedia information stored in the multimedia document, the first visual representation including a first representation of information of a first type stored in the multimedia document and a first representation of information of a second type stored in the multimedia document;

 displaying, in the first area of the GUI, a first lens ~~moveable in response to user input over representations of multimedia information displayed in the GUI~~ positionable over a plurality of portions of the first visual representation displayed within the first area of the GUI, the first lens covering a first portion of the first visual representation within the first area; and

 ~~displaying, in a second area of the GUI, a representation of multimedia information displayed in the first portion of the first area, the representation of multimedia information displayed in the second area comprising a portion of the representation of information of the first type covered by the first lens and a portion of the representation of information of the second type covered by the first lens~~

23   displaying, in a second area of the GUI, a second visual representation of the

24   multimedia information stored in the multimedia document based on the first lens covering the

25   first portion of the first visual representation within the first area, the second visual

26   representation including a second representation of the information of the first type stored in the

27   multimedia document and a second representation of the information of the second type stored in

28   the multimedia document.

1   2.   (Currently amended) The method of claim 1 wherein displaying the <u>first</u>

2   <u>visual</u> representation of the multimedia information stored [[by]] <u>in</u> the multimedia document ~~in~~

3   ~~the first area of the GUI~~ comprises:

4   displaying a first thumbnail image in the first area of the GUI, the first thumbnail

5   image comprising the <u>first</u> representation of <u>the</u> information of the first type; and

6   displaying a second thumbnail image in the first area of the GUI, the second

7   thumbnail image comprising the <u>first</u> representation of <u>the</u> information of the second type.

1   3.   (Currently amended) The method of claim 1 wherein ~~displaying, in the~~

2   ~~second area of the GUI, the representation of multimedia information displayed in the first~~

3   ~~portion of the first area~~ displaying the second visual representation of the multimedia

4   information stored in the multimedia document comprises:

5   displaying, in a first sub-area of the second area of the GUI, the <u>second</u>

6   <u>representation of the information of the first type as a</u> portion of the <u>first</u> representation of <u>the</u>

7   information of the first type covered by the first lens ~~in a first panel in the second area of the~~

8   ~~GUI;~~ and

9   displaying, in a second sub-area of the second area of the GUI, the <u>second</u>

10   <u>representation of the information of the first type as a</u> portion of the <u>first</u> representation of <u>the</u>

11   information of the second type covered by the first lens ~~in a second panel in the second area of~~

12   ~~the GUI~~.

1   4.   (Currently amended) The method of claim 1 wherein ~~displaying, in the~~

2   ~~second area of the GUI, the representation of multimedia information displayed in the first~~

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3   ~~portion of the first area~~ displaying the second visual representation of the multimedia

4   information stored in the multimedia document comprises:

5   determining a first time and a second time associated with the first lens;

6   displaying, in the second area of the GUI, a representation of the information of

7   the first type occurring between the first time and the second time associated with the first lens as

8   the second representation of the information of the first type; and

9   displaying, in the second area of the GUI, a representation of the information of

10   the second type occurring between the first time and the second time associated with the first

11   lens as the second representation of the information of the second type.

1   5.   (Currently amended) The method of claim 1 further comprising:

2   receiving user input moving the first lens over the first visual representation

3   displayed within the first area to cover a second portion of the first visual representation within

4   the first area; and

5   responsive to the user input, automatically changing the ~~information~~ second visual

6   representation displayed in the second area of the GUI such that the second visual representation

7   of the multimedia information stored in the multimedia document displayed in the second area of

8   the GUI corresponds to the second portion of the first visual representation of the multimedia

9   information stored in the multimedia document covered by the first lens ~~included in the second~~

10   ~~portion of the first area~~.

1   6.   (Currently amended) The method of claim 1 further comprising:

2   displaying, in the second area of the GUI, a second lens ~~moveable in response to~~

3   ~~user input over representations of multimedia information displayed in the GUI~~ positionable over

4   a plurality of portions of the second visual representation displayed within the second area of the

5   GUI, the second lens covering a first portion of the second visual representation within the

6   second area; and

7   displaying, in a third area of the GUI, a third visual representation of the

8   multimedia information stored in the multimedia document based on the second lens covering

9   the first portion of the second visual representation within the second area ~~corresponding to the~~

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10   ~~first portion of the second area~~, the <u>third visual</u> representation ~~of multimedia information~~

11   ~~displayed in the third area comprising~~ <u>including</u> a ~~portion of the~~ <u>third</u> representation of <u>the</u>

12   information of the first type ~~covered by the second lens~~ and a ~~portion of the~~ <u>third</u> representation

13   of <u>the</u> information of the second type ~~covered by the second lens~~.

1   7.   (Currently amended) The method of claim 6 wherein displaying, in the

2   third area of the GUI, the <u>third visual</u> representation of <u>the</u> multimedia information <u>stored in the</u>

3   <u>multimedia document</u> ~~corresponding to the first portion of the second area~~ comprises:

4   determining a first time and a second time associated with the second lens;

5   displaying, in the third area of the GUI, a representation of <u>the</u> information of the

6   first type occurring between the first time and the second time associated with the second lens <u>as</u>

7   <u>the third representation of the information of the first type</u>; and

8   displaying, in the third area of the GUI, a representation of <u>the</u> information of the

9   second type occurring between the first time and the second time associated with the second lens

10   <u>as the third representation of the information of the second type</u>.

1   8.   (Currently amended) The method of claim 6 wherein:

2   displaying the <u>first visual</u> representation of the multimedia information stored

3   [[by]] <u>in</u> the multimedia document in the first area of the GUI comprises:

4   displaying a first thumbnail image in the first area of the GUI, the first

5   thumbnail image comprising the <u>first</u> representation of <u>the</u> information of the first type; and

6   displaying a second thumbnail image in the first area of the GUI, the

7   second thumbnail image comprising the <u>first</u> representation of <u>the</u> information of the second

8   type;

9   displaying the <u>second visual</u> representation of <u>the</u> multimedia information <u>stored</u>

10   <u>in the multimedia document</u> ~~displayed in the first portion of the first area~~ in the second area of

11   the GUI comprises:

12   displaying<u>, in a first sub-area of the second area of the GUI,</u> the portion of

13   the <u>first</u> representation of <u>the</u> information of the first type covered by the first lens <u>as the second</u>

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14 representation of the information of the first type ~~in a first panel in the second area of the GUI~~;

15 and

16 displaying, in a second sub-area of the second area of the GUI, the portion

17 of the first representation of the information of the second type covered by the first lens as the

18 second representation of the information of the second type ~~in a second panel in the second area~~

19 ~~of the GUI~~; and

20 displaying the third visual representation of the multimedia information stored in

21 the multimedia document ~~corresponding to the first portion of the second area~~ in the third area of

22 the GUI comprises:

23 displaying, in a first sub-area of the third area of the GUI, the portion of

24 the second representation of the information of the first type covered by the second lens as the

25 third representation of the information of the first type ~~corresponding to the first portion of the~~

26 ~~second area of the GUI in a first sub-area of the third area of the GUI~~; and

27 displaying, in a second sub-area of the third area of the GUI, the portion of

28 the second representation of the information of the second type covered by the second lens as the

29 third representation of the information of the first type ~~corresponding to the first portion of the~~

30 ~~second area of the GUI in a second sub-area of the third area of the GUI~~.

1 9. (Currently amended) The method of claim 6 further comprising:

2 receiving [[a]] user input moving the second lens over the second visual

3 representation displayed within the second area to cover a second portion of the second visual

4 representation within the second area; and

5 responsive to the user input, automatically changing the ~~information~~ third visual

6 representation displayed in the third area of the GUI such that the third visual representation of

7 the multimedia information stored in the multimedia document displayed in the third area of the

8 GUI corresponds to the second portion of the second visual representation of the multimedia

9 information stored in the multimedia document covered by the second lens ~~included in the~~

10 ~~second portion of the second area~~.

1 10. (Currently amended) The method of claim 6 further comprising:

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2   receiving [[a]] user input moving the first lens <u>over the first visual representation</u>

3   <u>displayed within the first area</u> to cover a second portion of the <u>first visual representation within</u>

4   first area; and

5   responsive to the user input, automatically:

6   changing the ~~information~~ <u>second visual representation</u> displayed in the

7   second area of the GUI such that the <u>second visual</u> representation of <u>the</u> multimedia information

8   <u>stored in the multimedia document</u> displayed in the second area of the GUI corresponds to the

9   <u>second portion of the first visual</u> representation of <u>the</u> multimedia information <u>stored in the</u>

10   <u>multimedia document covered by the first lens</u> ~~included in the second portion of the first area;~~

11   and

12   changing the ~~information~~ <u>third visual representation</u> displayed in the third

13   area of the GUI such that the <u>third visual</u> representation of <u>the</u> multimedia information <u>stored in</u>

14   <u>the multimedia document</u> displayed in the third area of the GUI corresponds to the <u>second visual</u>

15   representation of the multimedia information <u>stored by the multimedia document within</u> ~~included~~

16   ~~in the second portion of~~ the second area.

1   11.   (Currently amended) The method of claim 6 further comprising:

2   displaying a sub-lens covering a portion of the <u>first visual representation</u>

3   <u>displayed within the</u> first area of the GUI corresponding to the first portion of the <u>second visual</u>

4   <u>representation within the</u> second area of the GUI covered by the second lens.

1   12.   (Currently amended) The method of claim 11 further comprising:

2   receiving [[a]] user input moving the second lens <u>over the second visual</u>

3   <u>representation displayed within the second area</u> to cover a second portion of the <u>second visual</u>

4   <u>representation within the</u> second area; and

5   responsive to the user input, automatically changing [[a]] position of the sub-lens

6   to cover a portion of the <u>first visual representation displayed within the</u> first area of the GUI

7   corresponding to the second portion of the second <u>visual representation within the second</u> area

8   <u>covered by the second lens</u>.

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1   13.   (Currently amended) The method of claim 1 wherein:

2   the information of the first type corresponds to video information; and

3   the <u>first</u> representation of the information of the first type comprises one or more

4 video keyframes extracted from the video information.

1   14.   (Currently amended) The method of claim 13 wherein:

2   the information of the second type corresponds to audio information; and

3   the <u>first</u> representation of <u>the</u> information of the second type comprises text

4 information obtained from transcribing the audio information.

1   15.   (Currently amended) The method of claim 13 wherein:

2   the information of the second type corresponds to closed-caption (CC) text

3 information; and

4   the <u>first</u> representation of <u>the</u> information of the second type comprises text

5 information included in the CC text information.

1   16.   (Currently amended) The method of claim 1 further comprising:

2   receiving information indicating a user-specified concept of interest; and

3   analyzing the multimedia information stored in the multimedia document to

4 identify one or more locations in the multimedia information that are relevant to the user-

5 specified concept of interest;

6   wherein displaying<u>, in the first area of the GUI,</u> the <u>first visual</u> representation of

7 <u>the</u> multimedia information <u>stored in the multimedia document</u> <s>in the first area of the GUI</s>

8 comprises annotating the one or more locations in the multimedia information that are relevant to

9 the user-specified concept of interest; and

10   wherein displaying, in the second area of the GUI, [[a]] <u>the second visual</u>

11 representation of <u>the</u> multimedia information <u>stored in the multimedia document</u> <s>displayed in the</s>

12 <s>first portion of the first area</s> comprises annotating the one or more locations in the multimedia

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13   information that are relevant to the user-specified concept of interest and that are located in the

14   first portion of the <u>first visual representation covered by the first lens within the</u> first area.

1   17.   (Original) The method of claim 1 further comprising:

2   receiving input indicating selection of a portion of the multimedia information

3   occurring between a first time and a second time; and

4   performing a first operation on the portion of the multimedia information

5   occurring between a first time and a second time.

1   18.   (Currently amended) A method of displaying multimedia information

2   stored in a multimedia document on a display, ~~the multimedia information comprising~~

3   ~~information of a first type and information of a second type,~~ the method comprising:

4   displaying a graphical user interface (GUI) on the display;

5   displaying, in a first area of the GUI, a representation of the multimedia

6   information stored [[by]] <u>in</u> the multimedia document occurring between a start time (t_s) and an

7   end time (t_e) associated with the multimedia document, the ~~displayed~~ representation of the

8   multimedia information <u>stored in the multimedia document occurring between t_s and t_e</u>

9   comprising a representation of information of [[the]] <u>a</u> first type <u>stored in the multimedia</u>

10   <u>document</u> occurring between t_s and t_e and a representation of information of [[the]] <u>a</u> second

11   type <u>stored in the multimedia document</u> occurring between t_s and t_e, where ($t_e > t_s$);

12   displaying<u>, in the first area of the GUI,</u> a first lens ~~moveable in response to user~~

13   ~~input over representations of multimedia information displayed in the GUI~~ <u>positionable over a</u>

14   <u>plurality of positions within the first area of the GUI</u>, the first lens <u>visually</u> emphasizing a portion

15   of the first area of the GUI <u>covered by the first lens</u>, the portion of the first area <u>visually</u>

16   emphasized by the first lens comprising a representation of multimedia information <u>stored in the</u>

17   <u>multimedia document</u> occurring between a first time (t_1) and a second time (t_2), where ($t_s \leq t_1 <$

18   $t_2 \leq t_e$); and

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19   displaying, in a second area of the GUI, the representation of the multimedia

20   information stored in the multimedia document occurring between t_1 and t_2 based on the first

21   lens visually emphasizing the portion of the first area, the representation of the multimedia

22   information stored in the multimedia document occurring between t_1 and t_2 displayed in the

23   second area comprising a representation of information of the first type occurring between t_1 and

24   t_2 and a representation of information of the second type occurring between t_1 and t_2.

1   19.   (Currently amended) The method of claim 18 further comprising:

2   displaying, in the second area of the GUI, a second lens ~~moveable in response to~~

3   ~~user input over representations of multimedia information displayed in the GUI~~ positionable over

4   a plurality of positions within the second area of the GUI, the second lens visually emphasizing a

5   portion of the second area of the GUI covered by the second lens, the portion of the second area

6   visually emphasized by the second lens comprising a representation of multimedia information

7   stored in the multimedia document occurring between a third time (t_3) and a fourth time (t_4),

8   where ($t_1 \leq t_3 < t_4 \leq t_2$); and

9   displaying, in a third area of the GUI, the representation of the multimedia

10   information stored in the multimedia document occurring between t_3 and t_4 based on the second

11   lens visually emphasizing the portion of the second area, the representation of the multimedia

12   information stored in the multimedia document occurring between t_3 and t_4 displayed in the

13   third area comprising a representation of information of the first type occurring between t_3 and

14   t_4 and a representation of information of the second type occurring between t_3 and t_4.

1   20.   (Currently amended) The method of claim 19 further comprising:

2   changing [[the]] position of the first lens in response to user input such that the

3   first lens visually emphasizes a portion of the first area of the GUI comprising a representation of

4   the multimedia information stored in the multimedia document occurring between a fifth time

5   (t_5) and a sixth time (t_6), where ($t_s \leq t_5 < t_6 \leq t_e$), ($t_5 \neq t_1$), and ($t_6 \neq t_2$); and

6   responsive to the change in the position of the first lens, automatically displaying,

7   in the second area of the GUI, the representation of the multimedia information stored in the

8   multimedia document occurring between t_5 and t_6, the representation of the multimedia

9   information stored in the multimedia document occurring between t_5 and t_6 displayed in the

10 second area comprising a representation of information of the first type occurring between t_5 and

11 t_6 and a representation of information of the second type occurring between t_5 and t_6.

1   21.   (Currently amended) The method of claim 19 further comprising:

2   changing [[the]] position of the second lens in response to user input such that the

3   second lens visually emphasizes a portion of the second area of the GUI comprising a

4   representation of the multimedia information stored in the multimedia document occurring

5   between a fifth time (t_5) and a sixth time (t_6), where ($t_1 \le t_5 < t_6 \le t_2$), ($t_5 \ne t_3$), and ($t_6 \ne t_4$);

6   and

7   responsive to the change in the position of the second lens, automatically

8   displaying, in the third area of the GUI, the representation of the multimedia information stored

9   in the multimedia document occurring between t_5 and t_6, the representation of the multimedia

10 information stored in the multimedia document occurring between t_5 and t_6 displayed in the

11 third area comprising a representation of information of the first type occurring between t_5 and

12 t_6 and a representation of information of the second type occurring between t_5 and t_6.

1   22.   (Currently amended) The method of claim 19 further comprising:

2   displaying, in the first area of the GUI, a third lens positionable over a plurality of

3   positions within the first area of the GUI, the third lens visually emphasizing a portion of the first

4   area of the GUI comprising a representation of the multimedia information stored in the

5   multimedia document occurring between t_3 and t_4.

1   23.   (Currently amended) The method of claim 22 further comprising:

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2   changing [[the]] position of the second lens in response to user input such that the

3 second lens visually emphasizes a portion of the second area of the GUI comprising a

4 representation of the multimedia information stored in the multimedia document occurring

5 between a fifth time (t_5) and a sixth time (t_6), where ($t_1 \leq t_5 < t_6 \leq t_2$), ($t_5 \neq t_3$), and ($t_6 \neq t_4$);

6 and

7   responsive to the change in the position of the second lens, automatically

8 changing [[the]] position of the third lens such that the third lens visually emphasizes a portion of

9 the first area of the GUI comprising a representation of the multimedia information stored in the

10 multimedia document occurring between t_5 and t_6.

1   24.   (Currently amended) The method of claim 18 wherein:

2   the information of the first type [[is]] comprises video information;

3   the information of the second type [[is]] comprises audio information;

4   the representation of the information of the first type occurring between t_s and t_e

5 comprises one or more video keyframes extracted from the video information; and

6   the representation of information of the second type occurring between t_s and t_e

7 comprises text information obtained from transcribing the audio information.

1   25.   (Currently amended) The method of claim 18 wherein:

2   the information of the first type [[is]] comprises video information;

3   the information of the second type [[is]] comprises closed-caption (CC) text

4 information;

5   the representation of the information of the first type occurring between t_s and t_e

6 comprises one or more video keyframes extracted from the video information; and

7   the representation of the information of the second type occurring between t_s and

8 t_e comprises text information included in the CC text information.

1   26.   (Currently amended) The method of claim 18 further comprising:

2   receiving information indicating a first topic; and

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3   analyzing the multimedia information stored in the multimedia document to

4 identify one or more locations in the multimedia information that are relevant to the first topic;

5   wherein displaying, in the first area of the GUI, the representation of the

6 multimedia information stored [[by]] in the multimedia document occurring between t_s and t_e in

7 the first area of the GUI comprises highlighting the one or more locations in the multimedia

8 information displayed in the first area of the GUI that are relevant to the first topic; and

9   wherein displaying, in the second area of the GUI, the representation of the

10 multimedia information stored in the multimedia document occurring between t_1 and t_2 in the

11 second area of the GUI comprises highlighting the one or more locations in the multimedia

12 information displayed in the second area of the GUI that are relevant to the first topic and that

13 occur between times t_1 and t_2.

1   27.   (Original) The method of claim 18 further comprising:

2   receiving input indicating selection of a portion of the multimedia information

3 occurring between a selection start time and a selection end time; and

4   performing a first operation on the portion of the multimedia information

5 occurring between the selection start time and the selection end time.

1   28.   (Currently amended) A method of displaying multimedia information

2 stored in a multimedia document on a display, the multimedia information comprising video

3 information and information of a first type, the method comprising:

4   displaying a graphical user interface (GUI) on the display;

5   displaying, in a first section of a first area of the GUI, a first set of one or more

6 video keyframes extracted from [[the]] video information stored in the multimedia document

7 occurring between a start time (t_s) and an end time (t_e) associated with the multimedia

8 document, where $(t_e > t_s)$;

9   displaying, in a second section of the first area of the GUI, text information

10 corresponding to [[the]] information of [[the]] a first type stored in the multimedia document

11 occurring between t_s and t_e;

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12   displaying a first lens ~~moveable in response to user input over representations of~~

13   ~~multimedia information displayed in the GUI~~ positionable over a plurality of portions of the first

14   area of the GUI, the first lens emphasizing a portion of the first section of the first area occurring

15   between a first time (t_1) and a second time (t_2) and a portion of the second section of the first

16   area occurring between t_1 and t_2, the emphasized portion of the first section of the first area

17   comprising a second set of one or more video keyframes extracted from the video information

18   occurring between t_1 and t_2, the emphasized portion of the second section of the first area

19   comprising text information corresponding to information of the first type occurring between t_1

20   and t_2, wherein the second set of one or more keyframes [[is]] comprises a subset of the first set

21   of one or more keyframes and ($t_s \leq t_1 < t_2 \leq t_e$);

22   displaying, in a first section of a second area of the GUI, the second set of one or

23   more keyframes based on the first lens emphasizing the portion of the first section of the first

24   area ~~in a first section of a second area of the GUI~~; and

25   displaying, in a second section of the second area of the GUI, text information

26   corresponding to the information of the first type occurring between t_1 and t_2 based on the first

27   lens emphasizing the portion of the second section of the first area ~~in a second section of the~~

28   ~~second area of the GUI~~.

1   29.   (Currently amended) The method of claim 28 further comprising:

2   displaying a second lens ~~moveable in response to user input over representations~~

3   ~~of multimedia information displayed in the GUI~~ positionable over a plurality of portions of the

4   second area of the GUI, the second lens emphasizing a portion of the first section of the second

5   area and a portion of the second section of the second area, the emphasized portion of the first

6   section of the second area comprising a third set of one or more video keyframes extracted from

7   the video information occurring between a third time (t_3) and a fourth time (t_4), the emphasized

8   portion of the second section of the second area comprising text information corresponding to

9   information of the first type occurring between t_3 and t_4, wherein the third set of one or more

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10 video keyframes [[is]] comprises a subset of the second set of one or more video keyframes and

11 ($t_1 \leq t_3 < t_4 \leq t_2$);

12 displaying, in a first section of a third area of the GUI, a keyframe from the third

13 set of one or more keyframes based on the second lens emphasizing the portion of the first

14 section of the second area in a first section of a third area of the GUI; and

15 displaying, in a second section of the third area of the GUI, text information

16 corresponding to the information of the first type occurring between t_3 and t_4 based on the

17 second lens emphasizing the portion of the second section of the second area in a second section

18 of the third area of the GUI.

1 30. (Currently amended) The method of claim 28 further comprising:

2 displaying a second lens positionable over a plurality of portions within the

3 second area of the GUI, the second lens emphasizing a portion of the first section of the second

4 area and a portion of the second section of the second area, the emphasized portion of the first

5 section of the second area comprising a third set of one or more video keyframes extracted from

6 the video information occurring between a third time (t_3) and a fourth time (t_4), the emphasized

7 portion of the second section of the second area comprising text information corresponding to

8 information of the first type occurring between t_3 and t_4, wherein the third set of one or more

9 video keyframes [[is]] comprises a subset of the second set of one or more video keyframes and

10 ($t_1 \leq t_3 < t_4 \leq t_2$);

11 outputting video information starting from t_3 or from t_4 or from a time between t_3

12 and t_4 in a first section of a third area of the GUI; and

13 displaying text information corresponding to the information of the first type

14 occurring between t_3 and t_4 in a second section of the third area of the GUI based on the first

15 lens emphasizing the portion of the second section of the second area.

1 31. (Currently amended) The method of claim 28 wherein the information of

2 the first type between t_1 and t_2 [[is]] comprises audio information, and the text information

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3   corresponding to the information of the first type <u>occurring between t_1 and t_2</u> is obtained from

4   transcribing the audio information.

1   32.   (Currently amended) The method of claim 28 wherein the information of

2   the first type <u>between t_1 and t_2</u> [[is]] <u>comprises</u> closed-caption (CC) text information, and the

3   text information corresponding to the information of the first type <u>between t_1 and t_2</u> is extracted

4   from the CC text information.

1   33.   (Currently amended) The method of claim 28 wherein the multimedia

2   information stored [[by]] <u>in</u> the multimedia document further comprises slides information, the

3   method comprising:

4   displaying, in a third section of the first area of the GUI, a first set of one or more

5   slides extracted from the slides information occurring between t_s and t_e, wherein the first lens

6   emphasizes a portion of the third section of the first area comprising a second set of one or more

7   slides extracted from the slides information occurring between t_1 and t_2, the second set of one or

8   more slides [[is]] <u>comprising</u> a subset of the first set of one or more slides; and

9   displaying the second set of one or more slides in a third section of the second

10   area of the GUI <u>based on the first lens emphasizing the portion of the third section of the first</u>

11   <u>area</u>.

1   34.   (Currently amended) The method of claim 33 further comprising:

2   displaying a second lens <u>positionable over a plurality of portions of the second</u>

3   <u>area, the second lens</u> emphasizing a portion of the first section of the second area, a portion of

4   the second section of the second area, and a portion of the third section of the second area, the

5   emphasized portion of the first section of the second area comprising a third set of one or more

6   video keyframes extracted from the video information occurring between a third time (t_3) and a

7   fourth time (t_4), the emphasized portion of the second section of the second area comprising text

8   information corresponding to information of the first type occurring between t_3 and t_4, the

9   emphasized portion of the third section of the second area comprising a third set of one or more

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10 slides extracted from the slides information occurring between t_3 and t_4, wherein the third set of

11 one or more video keyframes [[is]] comprises a subset of the second set of one or more video

12 keyframes, the third set of one or more slides [[is]] comprising a subset of the second set of one

13 or more slides, and ($t_1 \leq t_3 < t_4 \leq t_2$);

14 displaying, in a first section of a third area of the GUI, at least one keyframe from

15 the third set of one or more video keyframes based on the second lens emphasizing the portion of

16 the first section of the second area in a first section of a third area of the GUI;

17 displaying, in a second section of the third area of the GUI, the text information

18 corresponding to the information of the first type occurring between t_3 and t_4 based on the

19 second lens emphasizing the portion of the second section of the second area in a second section

20 of the third area of the GUI; and

21 displaying, in a third section of the third area of the GUI, at least one slide from

22 the third set of one or more slides based on the second lens emphasizing the portion of the third

23 section of the second area in a third section of the third area of the GUI.

1 35.   (Currently amended) The method of claim 28 wherein the multimedia

2 information stored [[by]] in the multimedia document further comprises whiteboard images

3 information, the method comprising:

4 displaying, in a third section of the first area of the GUI, a first set of one or more

5 whiteboard images extracted from the whiteboard images information occurring between t_s and

6 t_e, wherein the first lens emphasizes a portion of the third section of the first area comprising a

7 second set of one or more whiteboard images extracted from the whiteboard images information

8 occurring between t_1 and t_2, the second set of one or more whiteboard images [[is]] comprising a

9 subset of the first set of one or more whiteboard images; and

10 displaying, in a third section of the second area of the GUI, the second set of one

11 or more whiteboard images based on the first lens emphasizing the portion of the third section of

12 the first area in a third section of the second area of the GUI.

1 36.   (Currently amended) The method of claim 35 further comprising:

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2   displaying a second lens positionable over a plurality of portions of the second

3 area of the GUI, the second lens emphasizing a portion of the first section of the second area, a

4 portion of the second section of the second area, and a portion of the third section of the second

5 area, the emphasized portion of the first section of the second area comprising a third set of one

6 or more video keyframes extracted from the video information occurring between a third time

7 (t_3) and a fourth time (t_4), the emphasized portion of the second section of the second area

8 comprising text information corresponding to information of the first type occurring between t_3

9 and t_4, the emphasized portion of the third section of the second area comprising a third set of

10 one or more whiteboard images extracted from the whiteboard images information occurring

11 between t_3 and t_4, wherein the third set of one or more video keyframes [[is]] comprises a subset

12 of the second set of one or more video keyframes, the third set of one or more whiteboard images

13 [[is]] comprising a subset of the second set of one or more whiteboard images, and $(t_1 \leq t_3 < t_4 \leq$

14 $t_2)$;

15   displaying, in a first section of the third area of the GUI, at least one keyframe

16 from the third set of one or more video keyframes based on the second lens emphasizing the

17 portion of the first section of the second area in a first section of a third area of the GUI;

18   displaying, in a second section of the third area of the GUI, the text information

19 corresponding to the information of the first type occurring between t_3 and t_4 based on the

20 second lens emphasizing the portion of the second section of the second area in a second section

21 of the third area of the GUI; and

22   displaying, in a third section of the third area of the GUI, a whiteboard image[[s]]

23 from the third set of one or more whiteboard images based on the second lens emphasizing the

24 portion of the third section of the second area in a third section of the third area of the GUI.

1   37.   (Currently amended) A system for displaying multimedia information

2 stored in a multimedia document on a display[[,]] the multimedia information comprising

3 information of a plurality of types including information of a first type and information of a

4 second type, the system comprising:

5   means for displaying a graphical user interface (GUI) on the display;

6   ~~means for displaying, in a first area of the GUI, a representation of the multimedia~~

7 ~~information stored by the multimedia document, the displayed representation of the multimedia~~

8 ~~information comprising a representation of information of the first type and a representation of~~

9 ~~information of the second type;~~

10   means for displaying, in a first area of the GUI, a first visual representation of the

11 multimedia information stored in the multimedia document, the first visual representation

12 including a first representation of information of a first type stored in the multimedia document

13 and a first representation of information of a second type stored in the multimedia document;

14   means for displaying, in the first area of the GUI, a first lens ~~moveable in~~

15 ~~response to user input over representations of multimedia information displayed in the GUI~~

16 positionable over a plurality of portions of the first visual representation within the first area of

17 the GUI, the first lens covering a first portion of the first visual representation within the first

18 area; and

19   ~~means for displaying, in a second area of the GUI, a representation of multimedia~~

20 ~~information displayed in the first portion of the first area, the representation of multimedia~~

21 ~~information displayed in the second area comprising a portion of the representation of~~

22 ~~information of the first type covered by the first lens and a portion of the representation of~~

23 ~~information of the second type covered by the first lens~~

24   means for displaying, in a second area of the GUI, a second visual representation

25 of the multimedia information stored in the multimedia document based on the first lens covering

26 the first portion of the first visual representation within the first area, the second visual

27 representation including a second representation of the information of the first type stored in the

28 multimedia document and a second representation of the information of the second type stored in

29 the multimedia document.

1   38.   (Currently amended) A system for displaying multimedia information

2 stored in a multimedia document on a display, ~~the multimedia information comprising~~

3 ~~information of a first type and information of a second type,~~ the system comprising:

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4   means for displaying a graphical user interface (GUI) on the display;

5   means for displaying, in a first area of the GUI, a representation of the multimedia

6 information stored [[by]] in the multimedia document occurring between a start time (t_s) and an

7 end time (t_e) associated with the multimedia document, the displayed representation of the

8 multimedia information comprising a representation of information of [[the]] a first type stored

9 in the multimedia document occurring between t_s and t_e and a representation of information of

10 [[the]] a second type stored in the multimedia document occurring between t_s and t_e, where ($t_e >$

11 t_s);

12   means for displaying, in the first area of the GUI, a first lens ~~moveable in~~

13 ~~response to user input over representations of multimedia information displayed in the GUI~~

14 positionable over a plurality of positions within the first area of the GUI, the first lens visually

15 emphasizing a portion of the first area of the GUI covered by the first lens, the portion of the first

16 area visually emphasized by the first lens comprising a representation of multimedia information

17 stored in the multimedia document occurring between a first time (t_1) and a second time (t_2),

18 where ($t_s \leq t_1 < t_2 \leq t_e$); and

19   means for displaying, in a second area of the GUI, the representation of the

20 multimedia information stored in the multimedia document occurring between t_1 and t_2 based on

21 the first lens visually emphasizing the representation of the multimedia information stored in the

22 multimedia document occurring between t_1 and t_2, the representation of the multimedia

23 information stored in the multimedia document displayed in the second area comprising a

24 representation of information of the first type occurring between t_1 and t_2 and a representation of

25 information of the second type occurring between t_1 and t_2.

1   39.   (Currently amended) A system [[for]] of displaying multimedia

2 information stored in a multimedia document on a display, ~~the multimedia information~~

3 ~~comprising video information and information of a first type,~~ the system comprising:

4   means for displaying a graphical user interface (GUI) on the display;

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5   means for displaying, in a first section of a first area of the GUI, a first set of one

6 or more video keyframes extracted from [[the]] video information <u>stored in the multimedia</u>

7 <u>document</u> occurring between a start time (t_s) and an end time (t_e) associated with the multimedia

8 document, where ($t_e > t_s$);

9   means for displaying, in a second section of the first area of the GUI, text

10 information corresponding to [[the]] information of [[the]] <u>a</u> first type <u>stored in the multimedia</u>

11 <u>document</u> occurring between t_s and t_e;

12   means for displaying a first lens ~~moveable in response to user input over~~

13 ~~representations of multimedia information displayed in the GUI~~ <u>positionable over a plurality of</u>

14 <u>positions within the first area of the GUI</u>, the first lens emphasizing a portion of the first section

15 of the first area occurring between a first time (t_1) and a second time (t_2) and a portion of the

16 second section of the first area occurring between t_1 and t_2, the emphasized portion of the first

17 section of the first area comprising a second set of one or more video keyframes extracted from

18 the video information occurring between t_1 and t_2, the emphasized portion of the second section

19 of the first area comprising text information corresponding to information of the first type

20 occurring between t_1 and t_2, wherein the second set of one or more keyframes [[is]] <u>comprises</u> a

21 subset of the first set of one or more keyframes and ($t_s \leq t_1 < t_2 \leq t_e$);

22   means for displaying<u>, in a first section of a second area of the GUI,</u> the second set

23 of one or more keyframes <u>based on the first lens emphasizing the portion of the first section of</u>

24 <u>the first area</u> ~~in a first section of a second area of the GUI~~; and

25   means for displaying<u>, in a second section of the second area of the GUI, the</u> text

26 information corresponding to the information of the first type occurring between t_1 and t_2 <u>based</u>

27 <u>on the first lens emphasizing the portion of the second section of the first area</u> ~~in a second section~~

28 ~~of the second area of the GUI~~.

1   40.   (Currently amended) A computer program product stored on a computer-

2 readable storage medium for displaying multimedia information stored in a multimedia

3 document on a display, ~~the multimedia information comprising information of a plurality of~~

4   ~~types including information of a first type and information of a second type,~~ the computer

5   program product comprising:

6   code for displaying a graphical user interface (GUI) on the display;

7   ~~code for displaying, in a first area of the GUI, a representation of the multimedia~~

8   ~~information stored by the multimedia document, the displayed representation of the multimedia~~

9   ~~information comprising a representation of information of the first type and a representation of~~

10   ~~information of the second type;~~

11   code for displaying, in a first area of the GUI, a first visual representation of the

12   multimedia information stored in the multimedia document, the first visual representation

13   including a first representation of information of a first type stored in the multimedia document

14   and a first representation of information of a second type stored in the multimedia document;

15   code for displaying a first lens ~~moveable in response to user input over~~

16   ~~representations of multimedia information displayed in the GUI~~ positionable over a plurality of

17   portions of the first visual representation displayed within the first area of the GUI, the first lens

18   covering a first portion of the first visual representation within the first area; and

19   ~~code for displaying, in a second area of the GUI, a representation of multimedia~~

20   ~~information displayed in the first portion of the first area, the representation of multimedia~~

21   ~~information displayed in the second area comprising a portion of the representation of~~

22   ~~information of the first type covered by the first lens and a portion of the representation of~~

23   ~~information of the second type covered by the first lens~~

24   code for displaying, in a second area of the GUI, a second visual representation of

25   the multimedia information stored in the multimedia document based on the first lens covering

26   the first portion of the first visual representation within the first area, the second visual

27   representation including a second representation of the information of the first type stored in the

28   multimedia document and a second representation of the information of the second type stored in

29   the multimedia document.

41.   (Currently amended) The computer program product of claim 40 wherein the code for displaying the <u>first visual</u> representation of the multimedia information stored [[by]] <u>in</u> the multimedia document ~~in the first area of the GUI~~ comprises:

code for displaying a first thumbnail image in the first area of the GUI, the first thumbnail image comprising the <u>first</u> representation of <u>the</u> information of the first type; and

code for displaying a second thumbnail image in the first area of the GUI, the second thumbnail image comprising the <u>first</u> representation of <u>the</u> information of the second type.

42.   (Currently amended) The computer program product of claim 40 wherein the code for ~~displaying, in the second area of the GUI, the representation of multimedia information displayed in the first portion of the first area~~ <u>displaying the second visual represnation of the multimedia information stored in the multimedia document</u> comprises:

code for displaying<u>, in a first sub-area of the second area of the GUI,</u> the <u>second representation of the information of the first type as a</u> portion of the <u>first</u> representation of <u>the</u> information of the first type covered by the first lens ~~in a first panel in the second area of the GUI~~; and

code for displaying<u>, in a second sub-area of the second area of the GUI,</u> the <u>second representation of the information of the second type as a</u> portion of the <u>first</u> representation of <u>the</u> information of the second type covered by the first lens ~~in a second panel in the second area of the GUI~~.

43.   (Currently amended) The computer program product of claim 40 wherein the code for ~~displaying, in the second area of the GUI, the representation of multimedia information displayed in the first portion of the first area~~ <u>displaying the second visual representation of the multimedia information stored in the multimedia document</u> comprises:

code for determining a first time and a second time associated with the first lens;

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6   code for displaying, in the second area of the GUI, a representation of information

7 of the first type occurring between the first time and the second time associated with the first lens

8 as the second representation of the information of the first type; and

9   code for displaying, in the second area of the GUI, a representation of information

10 of the second type occurring between the first time and the second time associated with the first

11 lens as the second representation of the information of the second type.

1   44.   (Currently amended) The computer program product of claim 40 further

2 comprising:

3   code for receiving user input moving the first lens over the first visual

4 representation within the first area to cover a second portion of the first visual representation

5 within the first area; and

6   code for responsive to the user input, automatically changing the ~~information~~

7 second visual representation displayed in the second area of the GUI such that the second visual

8 representation of ~~the~~ multimedia information stored in the multimedia document displayed in the

9 second area of the GUI corresponds to the second portion of the first visual representation of ~~the~~

10 multimedia information stored in the multimedia document covered by the first lens ~~included in~~

11 ~~the second portion of the first area~~.

1   45.   (Currently amended) The computer program product of claim 40 further

2 comprising:

3   code for displaying, in the second area of the GUI, a second lens ~~moveable in~~

4 ~~response to user input over representations of multimedia information displayed in the GUI~~

5 positionable over a plurality of portions of the second visual representation displayed within the

6 second area of the GUI, the second lens covering a first portion of the second visual

7 representation within the second area; and

8   code for displaying, in a third area of the GUI, a third visual representation of ~~the~~

9 multimedia information stored in the multimedia document based on the second lens covering

10 the first portion of the second visual representation within the second area ~~corresponding to the~~

11 ~~first portion of the second area~~, the third visual representation ~~of multimedia information~~

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12 ~~displayed in the third area~~ comprising a ~~portion of the~~ third representation of <u>the</u> information of

13 the first type ~~covered by the second lens~~ and a ~~portion of the~~ third representation of <u>the</u>

14 information of the second type ~~covered by the second lens~~.

1   46.   (Currently amended) The computer program product of claim 45 wherein

2 the code for displaying, in the third area of the GUI, the <u>third visual</u> representation of <u>the</u>

3 multimedia information <u>stored in the multimedia document</u> ~~corresponding to the first portion of~~

4 ~~the second area~~ comprises:

5   code for determining a first time and a second time associated with the second

6 lens;

7   code for displaying, in the third area of the GUI, a representation of <u>the</u>

8 information of the first type occurring between the first time and the second time associated with

9 the second lens <u>as the third representation of the information of the first type</u>; and

10   code for displaying, in the third area of the GUI, a representation of <u>the</u>

11 information of the second type occurring between the first time and the second time associated

12 with the second lens <u>as the third representation of the information of the second type</u>.

1   47.   (Currently amended) The computer program product of claim 45 wherein:

2   the code for displaying the <u>first visual</u> representation of the multimedia

3 information stored [[by]] <u>in</u> the multimedia document in the first area of the GUI comprises:

4   code for displaying a first thumbnail image in the first area of the GUI, the

5 first thumbnail image comprising the <u>first</u> representation of <u>the</u> information of the first type; and

6   code for displaying a second thumbnail image in the first area of the GUI,

7 the second thumbnail image comprising the <u>first</u> representation of <u>the</u> information of the second

8 type;

9   the code for displaying the <u>second visual</u> representation of <u>the</u> multimedia

10 information <u>stored in the multimedia document</u> ~~displayed in the first portion of the first area~~ in

11 the second area of the GUI comprises:

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12   code for displaying, in a first sub-area of the second area of the GUI, the

13   portion of the <u>first</u> representation of <u>the</u> information of the first type covered by the first lens ~~in a~~

14   ~~first panel in the second area of the GUI~~; and

15   code for displaying, in a second sub-area of the second area of the GUI,

16   the portion of the <u>first</u> representation of <u>the</u> information of the second type covered by the first

17   lens ~~in a second panel in the second area of the GUI~~; and

18   the code for displaying the <u>third visual</u> representation of <u>the</u> multimedia

19   information <u>stored in the multimedia document</u> ~~corresponding to the first portion of the second~~

20   ~~area~~ in the third area of the GUI comprises:

21   code for displaying, in a first sub-area of the third area of the GUI, the

22   portion of the <u>second</u> representation of <u>the</u> information of the first type <u>covered by the second</u>

23   <u>lens as the third representation of the information of the first type</u> ~~corresponding to the first~~

24   ~~portion of the second area of the GUI in a first sub-area of the third area of the GUI~~; and

25   code for displaying, in a second sub-area of the third area of the GUI, the

26   portion of the <u>second</u> representation of <u>the</u> information of the second type <u>covered by the second</u>

27   <u>lens as the third representation of the information of the second type</u> ~~corresponding to the first~~

28   ~~portion of the second area of the GUI in a second sub-area of the third area of the GUI~~.

1   48.   (Currently amended) The computer program product of claim 45 further

2   comprising:

3   code for receiving [[a]] user input moving the second lens <u>over the second visual</u>

4   <u>representation displayed within the second area</u> to cover a second portion of the <u>second visual</u>

5   <u>representation within the</u> second area; and

6   responsive to the user input, code for automatically changing the ~~information~~ <u>third</u>

7   <u>visual representation</u> displayed in the third area of the GUI such that the <u>third visual</u>

8   representation of <u>the</u> multimedia information <u>stored in the multimedia document</u> displayed in the

9   third area of the GUI corresponds to the <u>second portion of the second visual</u> representation of the

10   multimedia information <u>stored in the multimedia document</u> covered by the second lens ~~included~~

11   ~~in the second portion of the second area~~.

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1   49.   (Currently amended) The computer program product of claim 45 further

2 comprising:

3   code for receiving [[a]] user input moving the first lens <u>er the first visual</u>

4 <u>representation displayed within the first area</u> to cover a second portion of the <u>first visual</u>

5 <u>representation within the</u> first area; and

6   responsive to the user input, code for automatically:

7   changing the ~~information~~ <u>second visual representation</u> displayed in the

8 second area of the GUI such that the <u>second visual</u> representation of <u>the</u> multimedia information

9 <u>stored in the multimedia document</u> displayed in the second area of the GUI corresponds to the

10 <u>second portion of the first visual</u> representation of <u>the</u> multimedia information <u>stored in the</u>

11 <u>multimedia document covered by the first lens</u> ~~included in the second portion of the first area~~;

12 and

13   changing the ~~information~~ <u>third visual representation</u> displayed in the third

14 area of the GUI such that the <u>third visual</u> representation of <u>the</u> multimedia information <u>stored in</u>

15 <u>the multimedia document</u> displayed in the third area of the GUI corresponds to the <u>second visual</u>

16 representation of the multimedia information <u>stored by the multimedia document within</u> ~~included~~

17 ~~in the second portion of~~ the second area.

1   50.   (Currently amended) The computer program product of claim 45 further

2 comprising:

3   code for displaying a sub-lens covering a portion of the <u>first visual representation</u>

4 <u>displayed within the</u> first area of the GUI corresponding to the first portion of the <u>second visual</u>

5 <u>representation within the</u> second area of the GUI covered by the second lens.

1   51.   (Currently amended) The computer program product of claim 50 further

2 comprising:

3   code for receiving [[a]] user input moving the second lens <u>over the second visual</u>

4 <u>representation displayed within the second area</u> to cover a second portion of the <u>second visual</u>

5 <u>representation within the</u> second area; and

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6   responsive to the user input, code for automatically changing [[a]] position of the

7   sub-lens to cover a portion of the <u>first visual representation displayed within the</u> first area of the

8   GUI corresponding to the second <u>visual representation within the second</u> area <u>covered by the</u>

9   <u>second lens</u>.

1   52.   (Currently amended) The computer program product of claim 40 wherein:

2   the information of the first type corresponds to video information; and

3   the <u>first</u> representation of the information of the first type comprises one or more

4   video keyframes extracted from the video information.

1   53.   (Currently amended) The computer program product of claim 52 wherein:

2   the information of the second type corresponds to audio information; and

3   the <u>first</u> representation of information of the second type comprises text

4   information obtained from transcribing the audio information.

1   54.   (Currently amended) The computer program product of claim 52 wherein:

2   the information of the second type corresponds to closed-caption (CC) text

3   information; and

4   the <u>first</u> representation of information of the second type comprises text

5   information included in the CC text information.

1   55.   (Currently amended) The computer program product of claim 40 further

2   comprising:

3   code for receiving information indicating a user-specified concept of interest; and

4   code for analyzing the multimedia information stored in the multimedia document

5   to identify one or more locations in the multimedia information that are relevant to the user-

6   specified concept of interest;

7   wherein the code for displaying, <u>in the first area of the GUI,</u> the <u>first visual</u>

8   representation of <u>the</u> multimedia information <u>stored in the multimedia document</u> <s>in the first area</s>

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9   ~~of the GUI~~ comprises code for annotating the one or more locations in the multimedia

10   information that are relevant to the user-specified concept of interest; and

11   wherein the code for displaying, in the second area of the GUI, [[a]] the second

12   visual representation of the multimedia information stored in the multimedia document ~~displayed~~

13   ~~in the first portion of the first area~~ comprises code for annotating the one or more locations in the

14   multimedia information that are relevant to the user-specified concept of interest and that are

15   located in the first portion of the first visual representation covered by the first lens within the

16   first area.

1   56.   (Original) The computer program product of claim 40 further comprising:

2   code for receiving input indicating selection of a portion of the multimedia

3   information occurring between a first time and a second time; and

4   code for performing a first operation on the portion of the multimedia information

5   occurring between a first time and a second time.

1   57.   (Currently amended) A computer program product stored on a computer-

2   readable storage medium for displaying multimedia information stored in a multimedia

3   document on a display, ~~the multimedia information comprising information of a first type and~~

4   ~~information of a second type,~~ the computer program product comprising:

5   code for displaying a graphical user interface (GUI) on the display;

6   code for displaying, in a first area of the GUI, a representation of the multimedia

7   information stored [[by]] in the multimedia document occurring between a start time (t_s) and an

8   end time (t_e) associated with the multimedia document, the ~~displayed~~ representation of the

9   multimedia information stored in the multimedia document occurring between t_s and t_e

10   comprising a representation of information of [[the]] a first type stored in the multimedia

11   document occurring between t_s and t_e and a representation of information of [[the]] a second

12   type stored in the multimedia document occurring between t_s and t_e, where ($t_e > t_s$);

13   code for displaying, in the fist area of the GUI, a first lens ~~moveable in response~~

14   ~~to user input over representations of multimedia information displayed in the GUI~~ positionable

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15 over a plurality of positions within the first area of the GUI, the first lens visually emphasizing a

16 portion of the first area of the GUI covered by the first lens, the portion of the first area visually

17 emphasized by the first lens comprising a representation of multimedia information stored in the

18 multimedia document occurring between a first time (t_1) and a second time (t_2), where ($t_s \leq t_1 <$

19 $t_2 \leq t_e$); and

20   code for displaying, in a second area of the GUI, the representation of the

21 multimedia information stored in the multimedia document occurring between t_1 and t_2 based on

22 the first lens visually emphasizing the portion of the first area, the representation of the

23 multimedia information stored in the multimedia document occurring between t_1 and t_2

24 displayed in the second area comprising a representation of information of the first type

25 occurring between t_1 and t_2 and a representation of information of the second type occurring

26 between t_1 and t_2.

1   58.   (Currently amended) The computer program product of claim 57 further

2 comprising:

3   code for displaying, in the second area of the GUI, a second lens ~~moveable in~~

4 ~~response to user input over representations of multimedia information displayed in the GUI~~

5 positionable over a plurality of positions within the second area of the GUI, the second lens

6 visually emphasizing a portion of the second area of the GUI covered by the second lens, the

7 portion of the second area visually emphasized by the second lens comprising a representation of

8 the multimedia information stored in the multimedia document occurring between a third time

9 (t_3) and a fourth time (t_4), where ($t_1 \leq t_3 < t_4 \leq t_2$); and

10   code for displaying, in a third area of the GUI, the representation of the

11 multimedia information stored in the multimedia document occurring between t_3 and t_4 based on

12 the second lens visually emphasizing the portion of the second area, the representation of the

13 multimedia information stored in the multimedia document occurring between t_3 and t_4

14 displayed in the third area comprising a representation of information of the first type occurring

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15 between t_3 and t_4 and a representation of information of the second type occurring between t_3

16 and t_4.

1   59.   (Currently amended) The computer program product of claim 58 further

2 comprising:

3   code for changing [[the]] position of the first lens in response to user input such

4 that the first lens visually emphasizes a portion of the first area of the GUI comprising a

5 representation of the multimedia information stored in the multimedia document occurring

6 between a fifth time (t_5) and a sixth time (t_6), where ($t_s \le t_5 < t_6 \le t_e$), ($t_5 \ne t_1$), and ($t_6 \ne t_2$);

7 and

8   responsive to the change in the position of the first lens, code for automatically

9 displaying, in the second area of the GUI, the representation of the multimedia information

10 stored in the multimedia document occurring between t_5 and t_6, the representation of the

11 multimedia information stored in the multimedia document occurring between t_5 and t_6

12 displayed in the second area comprising a representation of information of the first type

13 occurring between t_5 and t_6 and a representation of information of the second type occurring

14 between t_5 and t_6.

1   60.   (Currently amended) The computer program product of claim 58 further

2 comprising:

3   code for changing [[the]] position of the second lens in response to user input

4 such that the second lens visually emphasizes a portion of the second area of the GUI comprising

5 a representation of the multimedia information stored in the multimedia document occurring

6 between a fifth time (t_5) and a sixth time (t_6), where ($t_1 \le t_5 < t_6 \le t_2$), ($t_5 \ne t_3$), and ($t_6 \ne t_4$);

7 and

8   code for responsive to the change in the position of the second lens, automatically

9 displaying, in the third area of the GUI, the representation of the multimedia information stored

10 in the multimedia document occurring between t_5 and t_6, the representation of the multimedia

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11   information <u>stored in the multimedia document occurring between t_5 and t_6</u> displayed in the

12   third area comprising a representation of information of the first type occurring between t_5 and

13   t_6 and a representation of information of the second type occurring between t_5 and t_6.

1   61.   (Currently amended) The computer program product of claim 58 further

2   comprising:

3   code for displaying<u>, in the first area of the GUI,</u> a third lens <u>positionable over a</u>

4   <u>plurality of positions within the first area of the GUI, the third lens</u> visually emphasizing a

5   portion of the first area of the GUI comprising a representation of <u>the</u> multimedia information

6   <u>stored in the multimedia document</u> occurring between t_3 and t_4.

1   62.   (Currently amended) The computer program product of claim 61 further

2   comprising:

3   code for changing [[the]] position of the second lens in response to user input

4   such that the second lens <u>visually</u> emphasizes a portion of the second area of the GUI comprising

5   a representation of <u>the</u> multimedia information <u>stored in the multimedia document</u> occurring

6   between a fifth time (t_5) and a sixth time (t_6), where ($t_1 \leq t_5 < t_6 \leq t_2$), ($t_5 \neq t_3$), and ($t_6 \neq t_4$);

7   and

8   code for responsive to the change in the position of the second lens, automatically

9   changing the position of the third lens such that the third lens <u>visually</u> emphasizes a portion of

10   the first area of the GUI comprising a representation of <u>the</u> multimedia information <u>stored in the</u>

11   <u>multimedia document</u> occurring between t_5 and t_6.

1   63.   (Currently amended) The computer program product of claim 57 wherein:

2   the information of the first type [[is]] <u>comprises</u> video information;

3   the information of the second type [[is]] <u>comprises</u> audio information;

4   the representation of the information of the first type <u>occurring between t_s and t_e</u>

5   comprises one or more video keyframes extracted from the video information; and

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6   the representation of information of the second type <u>occurring between t_s and t_e</u>

7   comprises text information obtained from transcribing the audio information.

1   64.   (Currently amended) The computer program product of claim 57 wherein:

2   the information of the first type [[is]] <u>comprises</u> video information;

3   the information of the second type [[is]] <u>comprises</u> closed-caption (CC) text

4   information;

5   the representation of the information of the first type <u>occurring between t_s and t_e</u>

6   comprises one or more video keyframes extracted from the video information; and

7   the representation of the information of the second type <u>occurring between t_s and</u>

8   <u>t_e</u> comprises text information included in the CC text information.

1   65.   (Currently amended) The computer program product of claim 57 further

2   comprising:

3   code for receiving information indicating a first topic; and

4   code for analyzing the multimedia information stored in the multimedia document

5   to identify one or more locations in the multimedia information that are relevant to the first topic;

6   wherein the code for displaying<u>, in the first area of the GUI,</u> the representation of

7   the multimedia information stored [[by]] <u>in</u> the multimedia document occurring between t_s and

8   t_e ~~in the first area of the GUI~~ comprises code for highlighting the one or more locations in the

9   multimedia information displayed in the first area of the GUI <u>that are relevant to the first topic</u>;

10   and

11   wherein the code for displaying<u>, in the second area of the GUI,</u> the representation

12   of <u>the</u> multimedia information <u>stored in the multimedia document</u> occurring between t_1 and t_2 ~~in~~

13   ~~the second area of the GUI~~ comprises code for highlighting the one or more locations in the

14   multimedia information <u>displayed in the second area of the GUI that are relevant to the first topic</u>

15   <u>and</u> that occur between times t_1 and t_2.

1   66.   (Original) The computer program product of claim 57 further comprising:

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2   code for receiving input indicating selection of a portion of the multimedia

3   information occurring between a selection start time and a selection end time; and

4   code for performing a first operation on the portion of the multimedia information

5   occurring between the selection start time and the selection end time.

1   67.   (Currently amended) A computer program product stored on a computer-

2   readable storage medium for displaying multimedia information stored in a multimedia

3   document on a display, ~~the multimedia information comprising video information and~~

4   ~~information of a first type,~~ the computer program product comprising:

5   code for displaying a graphical user interface (GUI) on the display;

6   code for displaying, in a first section of a first area of the GUI, a first set of one or

7   more video keyframes extracted from [[the]] video information <u>stored in a multimedia document</u>

8   occurring between a start time (t_s) and an end time (t_e) associated with the multimedia

9   document, where ($t_e > t_s$);

10   code for displaying, in a second section of the first area of the GUI, text

11   information corresponding to [[the]] information of [[the]] <u>a</u> first type <u>stored in a multimedia</u>

12   <u>document</u> occurring between t_s and t_e;

13   code for displaying a first lens ~~moveable in response to user input over~~

14   ~~representations of multimedia information displayed in the GUI~~ <u>positionable over a plurality of</u>

15   <u>portions of the first area of the GUI</u>, the first lens emphasizing a portion of the first section of the

16   first area occurring between a first time (t_1) and a second time (t_2) and a portion of the second

17   section of the first area occurring between t_1 and t_2, the emphasized portion of the first section of

18   the first area comprising a second set of one or more video keyframes extracted from the video

19   information occurring between t_1 and t_2, the emphasized portion of the second section of the

20   first area comprising text information corresponding to information of the first type occurring

21   between t_1 and t_2, wherein the second set of one or more keyframes [[is]] <u>comprises</u> a subset of

22   the first set of one or more keyframes and ($t_s \leq t_1 < t_2 \leq t_e$);

23   code for displaying, in a first section of a second area of the GUI, the second set

24 of one or more keyframes based on the first lens emphasizing the portion of the first section of

25 the first area in a first section of a second area of the GUI; and

26   code for displaying, in a second section of the second area of the GUI, the text

27 information corresponding to the information of the first type occurring between t_1 and t_2 based

28 on the first lens emphasizing the portion of the second section of the first area in a second section

29 of the second area of the GUI.

1   68.   (Currently amended) The computer program product of claim 67 further

2 comprising:

3   code for displaying a second lens moveable in response to user input over

4 representations of multimedia information displayed in the GUI positionable over a plurality of

5 portions of the second area of the GUI, the second lens emphasizing a portion of the first section

6 of the second area and a portion of the second section of the second area, the emphasized portion

7 of the first section of the second area comprising a third set of one or more video keyframes

8 extracted from the video information occurring between a third time (t_3) and a fourth time (t_4),

9 the emphasized portion of the second section of the second area comprising text information

10 corresponding to information of the first type occurring between t_3 and t_4, wherein the third set

11 of one or more video keyframes [[is]] comprises a subset of the second set of one or more video

12 keyframes and ($t_1 \leq t_3 < t_4 \leq t_2$);

13   code for displaying, in a first section of a third area of the GUI, a keyframe from

14 the third set of one or more keyframes based on the second lens emphasizing the portion of the

15 first section of the section area in a first section of a third area of the GUI; and

16   code for displaying, in a second section of the third area of the GUI, text

17 information corresponding to the information of the first type occurring between t_3 and t_4 based

18 on the second lens emphasizing the portion of the second section of the section area in a second

19 section of the third area of the GUI.

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69. (Currently amended) The computer program product of claim 67 further comprising:

code for displaying a second lens <u>positionable over a plurality of portions of the second area of the GUI, the second lens</u> emphasizing a portion of the first section of the second area and a portion of the second section of the second area, the emphasized portion of the first section of the second area comprising a third set of one or more video keyframes extracted from the video information occurring between a third time (t_3) and a fourth time (t_4), the emphasized portion of the second section of the second area comprising text information corresponding to information of the first type occurring between t_3 and t_4, wherein the third set of one or more video keyframes [[is]] <u>comprises</u> a subset of the second set of one or more video keyframes and ($t_1 \leq t_3 < t_4 \leq t_2$);

code for outputting video information starting from t_3 or from t_4 or from a time between t_3 and t_4 in a first section of a third area of the GUI; and

code for displaying text information corresponding to the information of the first type occurring between t_3 and t_4 in a second section of the third area of the GUI <u>based on the first lens emphasizing the portion of the second section of the second area</u>.

70. (Currently amended) The computer program product of claim 67 wherein the information of the first type <u>between t_1 and t_2</u> [[is]] <u>comprises</u> audio information, and the text information corresponding to the information of the first type <u>between t_1 and t_2</u> is obtained from transcribing the audio information.

71. (Currently amended) The computer program product of claim 67 wherein the information of the first type <u>between t_1 and t_2</u> [[is]] <u>comprises</u> closed-caption (CC) text information, and the text information corresponding to the information of the first type <u>between t_1 and t_2</u> [[is]] is extracted from the CC text information.

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1   72.   (Currently amended) The computer program product of claim 67 wherein

2 the multimedia information stored [[by]] in the multimedia document further comprises slides

3 information, the computer program product further comprising:

4   code for displaying, in a third section of the first area of the GUI, a first set of one

5 or more slides extracted from the slides information occurring between t_s and t_e, wherein the

6 first lens emphasizes a portion of the third section of the first area comprising a second set of one

7 or more slides extracted from the slides information occurring between t_1 and t_2, the second set

8 of one or more slides [[is]] comprising a subset of the first set of one or more slides; and

9   code for displaying the second set of one or more slides in a third section of the

10 second area of the GUI based on the first lens emphasizing the portion of the third section of the

11 first area.

1   73.   (Currently amended) The computer program product of claim 72 further

2 comprising:

3   code for displaying a second lens positionable over a plurality of portions of the

4 second area, the second lens emphasizing a portion of the first section of the second area, a

5 portion of the second section of the second area, and a portion of the third section of the second

6 area, the emphasized portion of the first section of the second area comprising a third set of one

7 or more video keyframes extracted from the video information occurring between a third time

8 (t_3) and a fourth time (t_4), the emphasized portion of the second section of the second area

9 comprising text information corresponding to information of the first type occurring between t_3

10 and t_4, the emphasized portion of the third section of the second area comprising a third set of

11 one or more slides extracted from the slides information occurring between t_3 and t_4, wherein

12 the third set of one or more video keyframes [[is]] comprises a subset of the second set of one or

13 more video keyframes, the third set of one or more slides [[is]] comprising a subset of the second

14 set of one or more slides, and ($t_1 \leq t_3 < t_4 \leq t_2$);

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15   code for displaying, in a first section of a third area of the GUI, at least one
16 keyframe from the third set of one or more video keyframes based on the second lens
17 emphasizing the portion of the first section of the second area ~~in a first section of a third area of~~
18 ~~the GUI~~;
19   code for displaying, in a second section of a third area of the GUI, text
20 information corresponding to the information of the first type occurring between t_3 and t_4 based
21 on the second lens emphasizing the portion of the second section of the second area ~~in a second~~
22 ~~section of the third area of the GUI~~; and
23   displaying, in a third section of the third area of the GUI, at least one slide from
24 the third set of one or more slides based on the second lens emphasizing the portion of the third
25 section of the second area ~~in a third section of the third area of the GUI~~.

1   74.   (Currently amended) The computer program product of claim 67 wherein
2 the multimedia information stored [[by]] in the multimedia document further comprises
3 whiteboard images information, the computer program product further comprising:
4   code for displaying, in a third section of the first area of the GUI, a first set of one
5 or more whiteboard images extracted from the whiteboard images information occurring
6 between t_s and t_e, wherein the first lens emphasizes a portion of the third section of the first area
7 comprising a second set of one or more whiteboard images extracted from the whiteboard images
8 information occurring between t_1 and t_2, the second set of one or more whiteboard images [[is]]
9 comprising a subset of the first set of one or more whiteboard images; and
10   code for displaying, in a third section of the second area of the GUI, the second
11 set of one or more whiteboard images based on the first lens emphasizing the portion of the third
12 section of the first area ~~in a third section of the second area of the GUI~~.

1   75.   (Currently amended) The computer program product of claim 74 further
2 comprising:
3   code for displaying a second lens positionable over a plurality of portions of the
4 second area of the GUI, the second lens emphasizing a portion of the first section of the second

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5   area, a portion of the second section of the second area, and a portion of the third section of the

6   second area, the emphasized portion of the first section of the second area comprising a third set

7   of one or more video keyframes extracted from the video information occurring between a third

8   time (t_3) and a fourth time (t_4), the emphasized portion of the second section of the second area

9   comprising text information corresponding to information of the first type occurring between t_3

10   and t_4, the emphasized portion of the third section of the second area comprising a third set of

11   one or more whiteboard images extracted from the whiteboard images information occurring

12   between t_3 and t_4, wherein the third set of one or more video keyframes [[is]] comprises a subset

13   of the second set of one or more video keyframes, the third set of one or more whiteboard images

14   [[is]] comprising a subset of the second set of one or more whiteboard images, and ($t_1 \leq t_3 < t_4 \leq$

15   t_2);

16   code for displaying, in a first section of the third area of the GUI, at least one

17   keyframe from the third set of one or more video keyframes based on the second lens

18   emphasizing the portion of the first section of the second area in a first section of a third area of

19   the GUI;

20   code for displaying, in a second section of the third area of the GUI, the text

21   information corresponding to the information of the first type occurring between t_3 and t_4 based

22   on the second lens emphasizing the portion of the second section of the second area in a second

23   section of the third area of the GUI; and

24   code for displaying, in a third section of the third area of the GUI, a whiteboard

25   image[[s]] from the third set of one or more whiteboard images based on the second lens

26   emphasizing the portion of the third section of the second area in a third section of the third area

27   of the GUI.

1   76.   (Currently amended) A system for displaying multimedia information

2   stored in a multimedia document, the multimedia information comprising information of a

3   plurality of types including information of a first type and information of a second type, the

4   system comprising:

5   a display;

6   a processor; and

7   a memory coupled to the processor, the memory configured to store a plurality of

8   code modules for execution by the processor, the plurality of code modules comprising:

9   a code module for displaying a graphical user interface (GUI) on the

10   display;

11   ~~a code module for displaying, in a first area of the GUI, a representation of~~

12   ~~the multimedia information stored by the multimedia document, the displayed representation of~~

13   ~~the multimedia information comprising a representation of information of the first type and a~~

14   ~~representation of information of the second type;~~

15   a code module for displaying, in a first area of the GUI, a first visual

16   representation of the multimedia information stored in the multimedia document, the first visual

17   representation including a first representation of information of a first type stored in the

18   multimedia document and a first representation of information of a second type stored in the

19   multimedia document

20   a code module for displaying, in the first area of the GUI, a first lens

21   ~~moveable in response to user input over representations of multimedia information displayed in~~

22   ~~the GUI~~ positionable over a plurality of portions of the first visual representation displayed

23   within the first area of the GUI, the first lens covering a first portion of the first visual

24   representation within the first area; and

25   ~~a code module for displaying, in a second area of the GUI, a~~

26   ~~representation of multimedia information displayed in the first portion of the first area, the~~

27   ~~representation of multimedia information displayed in the second area comprising a portion of~~

28   ~~the representation of information of the first type covered by the first lens and a portion of the~~

29   ~~representation of information of the second type covered by the first lens~~

30   a code module for displaying, in a second area of the GUI, a second visual

31   representation of the multimedia information stored in the multimedia document based on the

32   first lens covering the first portion of the first visual representation within the first area, the

33   second visual representation including a second representation of the information of the first type

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34   stored in the multimedia document and a second representation of the information of the second

35   type stored in the multimedia document.

1   77.   (Currently amended) The system of claim 76 wherein the code module for

2   displaying the first visual representation of the multimedia information stored [[by]] in the

3   multimedia document ~~in the first area of the GUI~~ comprises:

4   a code module for displaying a first thumbnail image in the first area of the GUI,

5   the first thumbnail image comprising the first representation of the information of the first type;

6   and

7   a code module for displaying a second thumbnail image in the first area of the

8   GUI, the second thumbnail image comprising the first representation of the information of the

9   second type.

1   78.   (Currently amended) The system of claim 76 wherein the code module for

2   ~~displaying, in the second area of the GUI, the representation of multimedia information~~

3   ~~displayed in the first portion of the first area~~ displaying the second visual representation of the

4   multimedia information stored in the multimedia document comprises:

5   a code module for , in a first sub-area of the second area of the GUI, the second

6   representation of the information of the first type as a portion of the first representation of the

7   information of the first type covered by the first lens ~~in a first panel in the second area of the~~

8   ~~GUI~~; and

9   a code module for displaying, in a second sub-area of the second area of the GUI,

10   the second representation of the information of the first type as a portion of the first

11   representation of the information of the second type covered by the first lens ~~in a second panel in~~

12   ~~the second area of the GUI~~.

1   79.   (Currently amended) The system of claim 76 wherein the code module for

2   ~~displaying, in the second area of the GUI, the representation of multimedia information~~

3   ~~displayed in the first portion of the first area~~ displaying the second visual representation of the

4   multimedia information stored in the multimedia document comprises:

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5   a code module for determining a first time and a second time associated with the

6   first lens;

7   a code module for displaying, in the second area of the GUI, a representation of

8   <u>the</u> information of the first type occurring between the first time and the second time associated

9   with the first lens <u>as the second representation of the information of the first type</u>; and

10   a code module for displaying, in the second area of the GUI, a representation of

11   <u>the</u> information of the second type occurring between the first time and the second time

12   associated with the first lens <u>as the second representation of the information of the second type</u>.

1   80.   (Currently amended) The system of claim 76 wherein the plurality of

2   code modules further comprises:

3   a code module for receiving user input moving the first lens <u>over the first visual</u>

4   <u>representation displayed within the first area</u> to cover a second portion of <u>the first visual</u>

5   <u>representation within</u> the first area; and

6   responsive to the user input, a code module for automatically changing the

7   <s>information</s> <u>second visual representation</u> displayed in the second area of the GUI such that the

8   <u>second visual</u> representation of <u>the</u> multimedia information <u>stored in the multimedia document</u>

9   displayed in the second area of the GUI corresponds to the <u>second portion of the first visual</u>

10   <u>representation of the</u> multimedia information <u>stored in the multimedia document covered by the</u>

11   <u>first lens</u> <s>included in the second portion of the first area</s>.

1   81.   (Currently amended) The system of claim 76 wherein the plurality of

2   code modules further comprises:

3   a code module for displaying<u>, in the second area of the GUI,</u> a second lens

4   <s>moveable in response to user input over representations of multimedia information displayed in</s>

5   <s>the GUI</s> <u>positionable over a plurality of portions of the second visual representation displayed</u>

6   <u>within the second area of the GUI</u>, the second lens covering a first portion of the <u>second visual</u>

7   <u>representation within the</u> second area; and

8   a code module for displaying, in a third area of the GUI, a <u>third visual</u>

9   representation of <u>the</u> multimedia information <u>stored in the multimedia document based on the</u>

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10   second lens covering the first portion of the second visual representation within the second area

11   ~~corresponding to the first portion of the second area~~, the third visual representation ~~of~~

12   ~~multimedia information displayed in the third area comprising~~ including a portion of the third

13   representation of the information of the first type ~~covered by the second lens~~ and a ~~portion of the~~

14   third representation of the information of the second type ~~covered by the second lens.~~

1   82.   (Currently amended) The system of claim 81 wherein the code module for

2   displaying, in the third area of the GUI, the third visual representation of the multimedia

3   information stored in the multimedia document ~~corresponding to the first portion of the second~~

4   ~~area~~ comprises:

5   a code module for determining a first time and a second time associated with the

6   second lens;

7   a code module for displaying, in the third area of the GUI, a representation of the

8   information of the first type occurring between the first time and the second time associated with

9   the second lens as the third representation of the information of the first type; and

10   a code module for displaying, in the third area of the GUI, a representation of the

11   information of the second type occurring between the first time and the second time associated

12   with the second lens as the third representation of the information of the second type.

1   83.   (Currently amended) The system of claim 81 wherein:

2   the code module for displaying the first visual representation of the multimedia

3   information stored [[by]] in the multimedia document in the first area of the GUI comprises:

4   a code module for displaying a first thumbnail image in the first area of

5   the GUI, the first thumbnail image comprising the first representation of the information of the

6   first type; and

7   a code module for displaying a second thumbnail image in the first area of

8   the GUI, the second thumbnail image comprising the first representation of the information of

9   the second type;

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10   the code module for displaying the <u>second visual</u> representation of <u>the</u> multimedia

11   information <u>stored in the multimedia document</u> ~~displayed in the first portion of the first area~~ in

12   the second area of the GUI comprises:

13   a code module for displaying<u>, in a first sub-area of the second area of the</u>

14   <u>GUI,</u> the portion of the <u>first</u> representation of <u>the</u> information of the first type covered by the first

15   lens <u>as the second representation of the information of the first type</u> ~~in a first panel in the second~~

16   ~~area of the GUI~~; and

17   a code module for displaying<u>, in a second sub-area of the second area of</u>

18   <u>the GUI,</u> the portion of the <u>first</u> representation of <u>the</u> information of the second type covered by

19   the first lens <u>as the second representation of the information of the second type</u> ~~in a second panel~~

20   ~~in the second area of the GUI~~; and

21   the code module for displaying the <u>third visual</u> representation of <u>the</u> multimedia

22   information <u>stored in the multimedia document</u> ~~corresponding to the first portion of the second~~

23   ~~area~~ in the third area of the GUI comprises:

24   a code module for displaying<u>, in a first sub-area of the third area of the</u>

25   <u>GUI,</u> the portion of the <u>second</u> representation of <u>the</u> information of the first type <u>covered by the</u>

26   <u>second lens as the third representation of the information of the first type</u> ~~corresponding to the~~

27   ~~first portion of the second area of the GUI in a first sub-area of the third area of the GUI~~; and

28   a code module for displaying<u>, in a second sub-area of the third area of the</u>

29   <u>GUI,</u> the portion of the <u>second</u> representation of <u>the</u> information of the second type <u>covered by</u>

30   <u>the second lens as the third representation of the information of the first type</u> ~~corresponding to~~

31   ~~the first portion of the second area of the GUI in a second sub-area of the third area of the GUI~~.

1   84.   (Currently amended) The system of claim 81 wherein the plurality of

2   code modules further comprises:

3   a code module for receiving [[a]] user input moving the second lens <u>over the</u>

4   <u>second visual representation displayed within the second area</u> to cover a second portion of the

5   <u>second visual representation within the</u> second area; and

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6   responsive to the user input, a code module for automatically changing the

7   ~~information~~ <u>third visual representation</u> displayed in the third area of the GUI such that the <u>third</u>

8   <u>visual</u> representation of ~~the~~ multimedia information <u>stored in the multimedia document</u> displayed

9   in the third area of the GUI corresponds to the <u>second portion of the second visual</u> representation

10 of the multimedia information <u>stored in the multimedia document covered by the second lens</u>

11 ~~included in the second portion of the second area~~.

1   85.   (Currently amended) The system of claim 81 wherein the plurality of

2   code modules further comprises:

3   a code module for receiving [[a]] user input moving the first lens <u>over the first</u>

4   <u>visual representation displayed within the first area</u> to cover a second portion of the <u>first visual</u>

5   <u>representation within</u> first area; and

6   responsive to the user input, a code module for automatically:

7   changing the ~~information~~ <u>second visual representation</u> displayed in the

8   second area of the GUI such that the <u>second visual</u> representation of ~~the~~ multimedia information

9   <u>stored in the multimedia document</u> displayed in the second area of the GUI corresponds to the

10 <u>second portion of the first visual</u> representation of ~~the~~ multimedia information <u>stored in the</u>

11 <u>multimedia document covered by the first lens</u> ~~included in the second portion of the first area~~;

12 and

13 changing the ~~information~~ <u>third visual representation</u> displayed in the third

14 area of the GUI such that the <u>third visual</u> representation of ~~the~~ multimedia information <u>stored in</u>

15 <u>the multimedia document</u> displayed in the third area of the GUI corresponds to the <u>second visual</u>

16 representation of the multimedia information <u>stored by the multimedia document within</u> ~~included~~

17 ~~in the second portion of~~ the second area.

1   86.   (Currently amended) The system of claim 81 wherein the plurality of

2   code modules further comprises:

3   a code module for displaying a sub-lens covering a portion of the <u>first visual</u>

4   <u>representation displayed within the</u> first area of the GUI corresponding to the first portion of the

5   <u>second visual representation within the</u> second area of the GUI covered by the second lens.

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1   87.   (Currently amended) The system of claim 86 wherein the plurality of

2 code modules further comprises:

3   a code module for receiving [[a]] user input moving the second lens <u>over the</u>

4 <u>second visual representation displayed within the second area</u> to cover a second portion of the

5 <u>second visual representation within the</u> second area; and

6   responsive to the user input, a code module for automatically changing [[a]]

7 position of the sub-lens to cover a portion of the <u>first visual representation displayed within the</u>

8 first area of the GUI corresponding to the second portion of the second <u>visual representation</u>

9 <u>within the second</u> area <u>covered by the second lens</u>.

1   88.   (Currently amended) The system of claim 76 wherein:

2   the information of the first type corresponds to video information; and

3   the <u>first</u> representation of the information of the first type comprises one or more

4 video keyframes extracted from the video information.

1   89.   (Currently amended) The system of claim 88 wherein:

2   the information of the second type corresponds to audio information; and

3   the <u>first</u> representation of <u>the</u> information of the second type comprises text

4 information obtained from transcribing the audio information.

1   90.   (Currently amended) The system of claim 88 wherein:

2   the information of the second type corresponds to closed-caption (CC) text

3 information; and

4   the <u>first</u> representation of <u>the</u> information of the second type comprises text

5 information included in the CC text information.

1   91.   (Currently amended) The system of claim 76 wherein the plurality of

2 code modules further comprises:

3   a code module for receiving information indicating a user-specified concept of

4 interest; and

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5   a code module for analyzing the multimedia information stored in the multimedia

6   document to identify one or more locations in the multimedia information that are relevant to the

7   user-specified concept of interest;

8   wherein the code module for displaying, in the first area of the GUI, the first

9   visual representation of the multimedia information stored in the multimedia document in the

10 first area of the GUI comprises annotating the one or more locations in the multimedia

11 information that are relevant to the user-specified concept of interest; and

12   wherein the code module for displaying, in the second area of the GUI, [[a]] the

13 second visual representation of the multimedia information stored in the multimedia document

14 displayed in the first portion of the first area comprises annotating the one or more locations in

15 the multimedia information that are relevant to the user-specified concept of interest and that are

16 located in the first portion of the first visual representation covered by the first lens within the

17 first area.

1   92.   (Original) The system of claim 76 wherein the plurality of code modules

2 further comprises:

3   a code module for receiving input indicating selection of a portion of the

4 multimedia information occurring between a first time and a second time; and

5   a code module for performing a first operation on the portion of the multimedia

6 information occurring between a first time and a second time.

7   93.   (Currently amended) A system for displaying multimedia information

8 stored in a multimedia document, the multimedia information comprising information of a first

9 type and information of a second type, the system comprising:

10   a display;

11   a processor; and

12   a memory coupled to the processor, the memory configured to store a plurality of

13 code modules for execution by the processor, the plurality of code modules comprising:

14   a code module for displaying a graphical user interface (GUI) on the

15 display;

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16   a code module for displaying, in a first area of the GUI, a representation of

17 the multimedia information stored [[by]] in the multimedia document occurring between a start

18 time (t_s) and an end time (t_e) associated with the multimedia document, the ~~displayed~~

19 representation of the multimedia information stored in the multimedia document occurring

20 between t_s and t_e comprising a representation of information of [[the]] a first type stored in the

21 multimedia document occurring between t_s and t_e and a representation of information of [[the]]

22 a second type stored in the multimedia document occurring between t_s and t_e, where (t_e > t_s);

23   a code module for displaying, in the first area of the GUI, a first lens

24 ~~moveable in response to user input over representations of multimedia information displayed in~~

25 ~~the GUI~~ positionable over a plurality of positions within the first area of the GUI, the first lens

26 visually emphasizing a portion of the first area of the GUI covered by the first lens, the portion

27 of the first area visually emphasized by the first lens comprising a representation of multimedia

28 information stored in the multimedia document occurring between a first time (t_1) and a second

29 time (t_2), where ($t_s \leq t_1 < t_2 \leq t_e$); and

30   a code module for displaying, in a second area of the GUI, the

31 representation of the multimedia information stored in the multimedia document occurring

32 between t_1 and t_2 based on the first lens visually emphasizing the portion of the first area, the

33 representation of the multimedia information stored in the multimedia document occurring

34 between t_1 and t_2 displayed in the second area comprising a representation of information of the

35 first type occurring between t_1 and t_2 and a representation of information of the second type

36 occurring between t_1 and t_2.

1   94.   (Currently amended) The system of claim 93 wherein the plurality of

2 code modules further comprises:

3   a code module for displaying, in the second area of the GUI, a second lens

4 ~~moveable in response to user input over representations of multimedia information displayed in~~

5 ~~the GUI~~ positionable over a plurality of positions within the second area of the GUI, the second

6 lens visually emphasizing a portion of the second area of the GUI covered by the second lens, the

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7 portion of the second area <u>visually</u> emphasized by the second lens comprising a representation of

8 multimedia information <u>stored in the multimedia document</u> occurring between a third time (t_3)

9 and a fourth time (t_4), where ($t_1 \leq t_3 < t_4 \leq t_2$); and

10   a code module for displaying, in a third area of the GUI, the representation of <u>the</u>

11 multimedia information <u>stored in the multimedia document</u> occurring between t_3 and t_4 <u>based on</u>

12 <u>the second lens visually emphasizing the portion of the second area,</u> the representation of <u>the</u>

13 multimedia information <u>stored in the multimedia document occurring between t_3 and t_4</u>

14 displayed in the third area comprising a representation of information of the first type occurring

15 between t_3 and t_4 and a representation of information of the second type occurring between t_3

16 and t_4.

1   95.   (Currently amended) The system of claim 94 wherein the plurality of

2 code modules further comprises:

3   a code module for changing [[the]] position of the first lens in response to user

4 input such that the first lens <u>visually</u> emphasizes a portion of the first area of the GUI comprising

5 a representation of <u>the</u> multimedia information <u>stored in the multimedia document</u> occurring

6 between a fifth time (t_5) and a sixth time (t_6), where ($t_5 \leq t_5 < t_6 \leq t_e$), ($t_5 \neq t_1$), and ($t_6 \neq t_2$);

7 and

8   responsive to the change in the position of the first lens, a code module for

9 automatically displaying, in the second area of the GUI, the representation of <u>the</u> multimedia

10 information <u>stored in the multimedia document</u> occurring between t_5 and t_6, the representation

11 of <u>the</u> multimedia information <u>stored in the multimedia document occurring between t_5 and t_6</u>

12 displayed in the second area comprising a representation of information of the first type

13 occurring between t_5 and t_6 and a representation of information of the second type occurring

14 between t_5 and t_6.

1   96.   (Currently amended) The system of claim 94 wherein the plurality of

2 code modules further comprises:

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3   a code module for changing [[the]] position of the second lens in response to user

4   input such that the second lens <u>visually</u> emphasizes a portion of the second area of the GUI

5   comprising a representation of <u>the</u> multimedia information <u>stored in the multimedia document</u>

6   occurring between a fifth time (t_5) and a sixth time (t_6), where ($t_1 \leq t_5 < t_6 \leq t_2$), ($t_5 \neq t_3$), and

7   ($t_6 \neq t_4$); and

8   responsive to the change in the position of the second lens, automatically

9   displaying, in the third area of the GUI, the representation of <u>the</u> multimedia information <u>stored</u>

10   <u>in the multimedia document</u> occurring between t_5 and t_6, the representation of <u>the</u> multimedia

11   information <u>stored in the multimedia document occurring between t_5 and t_6</u> displayed in the

12   third area comprising a representation of information of the first type occurring between t_5 and

13   t_6 and a representation of information of the second type occurring between t_5 and t_6.

1   97.   (Currently amended) The system of claim 94 wherein the plurality of

2   code modules further comprises:

3   a code module for displaying<u>, in the first area of the GUI,</u> a third lens <u>positionable</u>

4   <u>over a plurality of positions within the first area of the GUI, the third lens visually</u> emphasizing a

5   portion of the first area of the GUI comprising a representation of <u>the</u> multimedia information

6   <u>stored in the multimedia document</u> occurring between t_3 and t_4.

1   98.   (Currently amended) The system of claim 97 wherein the plurality of

2   code modules further comprises:

3   a code module for changing [[the]] position of the second lens in response to user

4   input such that the second lens <u>visually</u> emphasizes a portion of the second area of the GUI

5   comprising a representation of <u>the</u> multimedia information <u>stored in the multimedia document</u>

6   occurring between a fifth time (t_5) and a sixth time (t_6), where ($t_1 \leq t_5 < t_6 \leq t_2$), ($t_5 \neq t_3$), and

7   ($t_6 \neq t_4$); and

8   responsive to the change in the position of the second lens, a code module for

9   automatically changing [[the]] position of the third lens such that the third lens <u>visually</u>

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10 emphasizes a portion of the first area of the GUI comprising a representation of the multimedia

11 information stored in the multimedia document occurring between t_5 and t_6.

1   99.   (Currently amended) The system of claim 93 wherein:

2   the information of the first type [[is]] comprises video information;

3   the information of the second type [[is]] comprises audio information;

4   the representation of the information of the first type occurring between t_s and t_e

5 comprises one or more video keyframes extracted from the video information; and

6   the representation of information of the second type occurring between t_s and t_e

7 comprises text information obtained from transcribing the audio information.

1   100.   (Currently amended) The system of claim 93 wherein:

2   the information of the first type [[is]] comprises video information;

3   the information of the second type [[is]] comprises closed-caption (CC) text

4 information;

5   the representation of the information of the first type occurring between t_s and t_e

6 comprises one or more video keyframes extracted from the video information; and

7   the representation of the information of the second type occurring between t_s and

8 t_e comprises text information included in the CC text information.

1   101.   (Currently amended) The system of claim 93 wherein the plurality of

2 code modules further comprises:

3   a code module for receiving information indicating a first topic; and

4   a code module for analyzing the multimedia information stored in the multimedia

5 document to identify one or more locations in the multimedia information that are relevant to the

6 first topic;

7   wherein the code module for displaying, in the first area of the GUI, the

8 representation of the multimedia information stored [[by]] in the multimedia document occurring

9 between t_s and t_e in the first area of the GUI comprises highlighting the one or more locations in

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10   the multimedia information displayed in the first area of the GUI that are relevant to the first

11   topic; and

12   wherein the code module for displaying, in the second area of the GUI, the

13   representation of the multimedia information stored in the multimedia document occurring

14   between t_1 and t_2 ~~in the second area of the GUI~~ comprises highlighting the one or more locations

15   in the multimedia information displayed in the second area of the GUI that are relevant to the

16   first topic and that occur between times t_1 and t_2.

1   102.   (Original) The system of claim 93 wherein the plurality of code modules

2   further comprises:

3   a code module for receiving input indicating selection of a portion of the

4   multimedia information occurring between a selection start time and a selection end time; and

5   a code module for performing a first operation on the portion of the multimedia

6   information occurring between the selection start time and the selection end time.

1   103.   (Currently amended) A system of displaying multimedia information

2   stored in a multimedia document on a display, ~~the multimedia information comprising video~~

3   ~~information and information of a first type,~~ the system comprising:

4   a display;

5   a processor; and

6   a memory coupled to the processor, the memory configured to store a computer

7   program;

8   wherein the processor is operative with the computer program to:

9   display a graphical user interface (GUI) on the display;

10   display, in a first section of a first area of the GUI, a first set of one or

11   more video keyframes extracted from [[the]] video information stored in the multimedia

12   document occurring between a start time (t_s) and an end time (t_e) associated with the multimedia

13   document, where $(t_e > t_s)$;

14   display, n a second section of the first area of the GUI, text information

15 corresponding to [[the]] information of [[the]] a first type stored in the multimedia document

16 occurring between t_s and t_e;

17   display a first lens ~~moveable in response to user input over representations~~

18 ~~of multimedia information displayed in the GUI~~ positionable over a plurality of portions of the

19 first area of the GUI, the first lens emphasizing a portion of the first section of the first area

20 occurring between a first time (t_1) and a second time (t_2) and a portion of the second section of

21 the first area occurring between t_1 and t_2, the emphasized portion of the first section of the first

22 area comprising a second set of one or more video keyframes extracted from the video

23 information occurring between t_1 and t_2, the emphasized portion of the second section of the

24 first area comprising text information corresponding to information of the first type occurring

25 between t_1 and t_2, wherein the second set of one or more keyframes [[is]] comprises a subset of

26 the first set of one or more keyframes and ($t_s \leq t_1 < t_2 \leq t_e$);

27   display, in a first section of a second area of the GUI, the second set of one

28 or more keyframes based on the first lens emphasizing the portion of the first section of the first

29 area ~~in a first section of a second area of the GUI~~; and

30   display, in a second section of the second area of the GUI, text

31 information corresponding to the information of the first type occurring between t_1 and t_2 based

32 on the first lens emphasizing the portion of the second section of the first area ~~in a second section~~

33 ~~of the second area of the GUI~~.

1   104.   (Currently amended) The system of claim 103 wherein the processor is

2 operative with the computer program to:

3   display a second lens ~~moveable in response to user input over representations of~~

4 ~~multimedia information displayed in the GUI~~ positionable over a plurality of portions of the

5 second area of the GUI, the second lens emphasizing a portion of the first section of the second

6 area and a portion of the second section of the second area, the emphasized portion of the first

7 section of the second area comprising a third set of one or more video keyframes extracted from

8   the video information occurring between a third time (t_3) and a fourth time (t_4), the emphasized

9   portion of the second section of the second area comprising text information corresponding to

10   information of the first type occurring between t_3 and t_4, wherein the third set of one or more

11   video keyframes [[is]] comprises a subset of the second set of one or more video keyframes and

12   ($t_1 \le t_3 < t_4 \le t_2$);

13   display, in a first section of a third area of the GUI, a keyframe from the third set

14   of one or more keyframes based on the second lens emphasizing the portion of the first section of

15   the second area in a first section of a third area of the GUI; and

16   display, in a second section of the third area of the GUI, text information

17   corresponding to the information of the first type occurring between t_3 and t_4 based on the

18   second lens emphasizing the portion of the second section of the second area in a second section

19   of the third area of the GUI.

1   105.   (Currently amended) The system of claim 103 wherein the processor is

2   operative with the computer program to:

3   display a second lens positionable over a plurality of portions within the second

4   area of the GUI, the second lens emphasizing a portion of the first section of the second area and

5   a portion of the second section of the second area, the emphasized portion of the first section of

6   the second area comprising a third set of one or more video keyframes extracted from the video

7   information occurring between a third time (t_3) and a fourth time (t_4), the emphasized portion of

8   the second section of the second area comprising text information corresponding to information

9   of the first type occurring between t_3 and t_4, wherein the third set of one or more video

10   keyframes [[is]] comprises a subset of the second set of one or more video keyframes and ($t_1 \le$

11   $t_3 < t_4 \le t_2$);

12   output video information starting from t_3 or from t_4 or from a time between t_3

13   and t_4 in a first section of a third area of the GUI; and

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14   display text information corresponding to the information of the first type

15 occurring between t_3 and t_4 in a second section of the third area of the GUI based on the first

16 lens emphasizing the portion of the second section of the second area.

1   106.   (Currently amended) The system of claim 103 wherein the information of

2 the first type between t_1 and t_2 [[is]] comprises audio information, and the text information

3 corresponding to the information of the first type occurring between t_1 and t_2 is obtained from

4 transcribing the audio information.

1   107.   (Currently amended) The method of claim 28 wherein the information of

2 the first type between t_1 and t_2 [[is]] comprises closed-caption (CC) text information, and the

3 text information corresponding to the information of the first type between t_1 and t_2 is extracted

4 from the CC text information.

1   108.   (Currently amended) The system of claim 103 wherein the multimedia

2 information stored [[by]] in the multimedia document further comprises slides information, and

3 wherein the processor is operative with the computer program to:

4   display, in a third section of the first area of the GUI, a first set of one or more

5 slides extracted from the slides information occurring between t_s and t_e, wherein the first lens

6 emphasizes a portion of the third section of the first area comprising a second set of one or more

7 slides extracted from the slides information occurring between t_1 and t_2, the second set of one or

8 more slides [[is]] comprising a subset of the first set of one or more slides; and

9   display the second set of one or more slides in a third section of the second area of

10 the GUI based on the first lens emphasizing the portion of the third section of the first area.

1   109.   (Currently amended) The system of claim 108 wherein the processor is

2 operative with the computer program to:

3   display a second lens positionable over a plurality of portions of the second area,

4 the second lens emphasizing a portion of the first section of the second area, a portion of the

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5   second section of the second area, and a portion of the third section of the second area, the

6   emphasized portion of the first section of the second area comprising a third set of one or more

7   video keyframes extracted from the video information occurring between a third time (t_3) and a

8   fourth time (t_4), the emphasized portion of the second section of the second area comprising text

9   information corresponding to information of the first type occurring between t_3 and t_4, the

10   emphasized portion of the third section of the second area comprising a third set of one or more

11   slides extracted from the slides information occurring between t_3 and t_4, wherein the third set of

12   one or more video keyframes [[is]] comprises a subset of the second set of one or more video

13   keyframes, the third set of one or more slides [[is]] comprising a subset of the second set of one

14   or more slides, and ($t_1 \leq t_3 < t_4 \leq t_2$);

15   display, in a first section of a third area of the GUI, at least one keyframe from the

16   third set of one or more video keyframes based on the second lens emphasizing the portion of the

17   first section of the second area in a first section of a third area of the GUI;

18   display, in a second section of the third area of the GUI, the text information

19   corresponding to the information of the first type occurring between t_3 and t_4 based on the

20   second lens emphasizing the portion of the second section of the second area in a second section

21   of the third area of the GUI; and

22   display, in a third section of the third area of the GUI, at least one slide from the

23   third set of one or more slides based on the second lens emphasizing the portion of the third

24   section of the second area in a third section of the third area of the GUI.

1   110.   (Currently amended) The system of claim 103 wherein the multimedia

2   information stored [[by]] in the multimedia document further comprises whiteboard images

3   information, and wherein the processor is operative with the computer program to:

4   display, in a third section of the first area of the GUI, a first set of one or more

5   whiteboard images extracted from the whiteboard images information occurring between t_s and

6   t_e, wherein the first lens emphasizes a portion of the third section of the first area comprising a

7   second set of one or more whiteboard images extracted from the whiteboard images information

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8   occurring between t_1 and t_2, the second set of one or more whiteboard images [[is]] comprising a

9   subset of the first set of one or more whiteboard images; and

10   display, in a third section of the second area of the GUI, the second set of one or

11   more whiteboard images based on the first lens emphasizing the portion of the third section of

12   the first area ~~in a third section of the second area of the GUI~~.

1   111.   (Currently amended) The system of claim 110 wherein the processor is

2   operative with the computer program to:

3   display a second lens positionable over a plurality of portions of the second area

4   of the GUI, the second lens emphasizing a portion of the first section of the second area, a

5   portion of the second section of the second area, and a portion of the third section of the second

6   area, the emphasized portion of the first section of the second area comprising a third set of one

7   or more video keyframes extracted from the video information occurring between a third time

8   (t_3) and a fourth time (t_4), the emphasized portion of the second section of the second area

9   comprising text information corresponding to information of the first type occurring between t_3

10   and t_4, the emphasized portion of the third section of the second area comprising a third set of

11   one or more whiteboard images extracted from the whiteboard images information occurring

12   between t_3 and t_4, wherein the third set of one or more video keyframes [[is]] comprises a subset

13   of the second set of one or more video keyframes, the third set of one or more whiteboard images

14   [[is]] comprising a subset of the second set of one or more whiteboard images, and ($t_1 \leq t_3 < t_4 \leq$

15   t_2);

16   display, in a first section of the third area of the GUI, at least one keyframe from

17   the third set of one or more video keyframes based on the second lens emphasizing the portion of

18   the first section of the second area ~~in a first section of a third area of the GUI~~;

19   display, in a second section of the third area of the GUI, the text information

20   corresponding to the information of the first type occurring between t_3 and t_4 based on the

21   second lens emphasizing the portion of the second section of the second area ~~in a second section~~

22   ~~of the third area of the GUI~~; and

23   display, in a third section of the third area of the GUI, a whiteboard image[[s]]

24   from the third set of one or more whiteboard images based on the second lens emphasizing the

25   portion of the third section of the second area ~~in a third section of the third area of the GUI~~.